

### AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

#### Listing of claims:

1. (Currently amended) A functional cornstalk board comprising cornstalk, silicate, [[and]] a curing agent, and 2 to 10 parts by weight of each of a phosphoric acid-including flame retardant, bromotriallylphosphate, a sulfur-including flame retardant, and an inorganic flame retardant based on 6 to 10 parts by weight of the cornstalk; wherein the cornstalk is 6-10 parts by weight and the silicate is 0.2-2 parts by weight, and the curing agent is 1 to 10 parts by weight based on 100 parts by weight of the mixture of the cornstalk and the silicate.

2. (Canceled)

3. (Previously presented) The functional cornstalk board according to claim 1, wherein the curing agent is at least one selected from the group consisting of ammonium hydroxide, ammonium chloride, magnesium chloride, aluminium chloride and ammonium phosphate.

4. (Currently amended) A method for preparing the functional cornstalk board as defined in said claim 1, comprising steps of: mixing of grinded cornstalk with silicate; adding a curing agent and bromotriallylphosphate to the resultant mixture to prepare a raw material; and molding the prepared raw material at a molding temperature of 120 to 210°C and a molding pressure of 10 to 30,000 kg /cm for a molding time of 0.5 to 20 minutes in a semiautomatic or multistage automatic heat press device.

5. (Canceled)

6. (Currently amended) [[A]] The functional cornstalk board of claim 1, further comprising 2 to 10 parts by weight of ~~each of a phosphoric acid-including flame~~

~~retardant, a halide-including flame retardant, a sulfur-including flame retardant, an inorganic flame retardant, and an electromagnetic shielding component based on 6 to 10 parts by weight of the cornstalk.~~

7. (New) The functional cornstalk board of claim 1, wherein the phosphoric acid-including flame retardant is triethylphosphate.

8. (New) The functional cornstalk board of claim 1, wherein the inorganic flame retardant is ammonium borate, phosphoric acid, calcium carbonate, or titanium oxide.

9. (New) The functional cornstalk board of claim 1, wherein the phosphoric acid-including flame retardant is triethylphosphate and the inorganic flame retardant is ammonium borate, phosphoric acid, calcium carbonate, or titanium oxide.

10. (New) The functional cornstalk board of claim 6, wherein the electromagnetic shielding component is alkaline metal salts, alkaline earth metal salts, graphite, activated carbon, or carbon fibers.

11. (New) The functional cornstalk board of claim 6, wherein the phosphoric acid-including flame retardant is triethylphosphate.

12. (New) The functional cornstalk board of claim 6, wherein the inorganic flame retardant is ammonium borate, phosphoric acid, calcium carbonate, or titanium oxide.

13. (New) The functional cornstalk board of claim 6, wherein the phosphoric acid-including flame retardant is triethylphosphate and the inorganic flame retardant is ammonium borate, phosphoric acid, calcium carbonate, or titanium oxide.

Applicant(s) : Hail-il Ryu  
Serial No. : 10/579,864  
Filed : May 18, 2006  
Page : 4 of 7

Attorney Docket No.: 45401-003US1  
Client Ref. No.: PO06-0146

14. (New) The functional cornstalk board of claim 6, wherein the phosphoric acid-including flame retardant is triethylphosphate, the inorganic flame retardant is ammonium borate, phosphoric acid, calcium carbonate, or titanium oxide, and the electromagnetic shielding component is alkaline metal salts, alkaline earth metal salts, graphite, activated carbon, or carbon fibers.